

## ABSTRACT

An exhaust-gas purifying apparatus includes a mantle, a support, and a catalytic layer. The support is disposed in the mantle, and is formed as at least one shape selected from the group consisting of cylinder shapes and corrugated shapes. The catalytic layer is loaded on at least one of the surfaces of the support. Moreover, the support includes at least two support elements disposed in the axial direction of the mantle, and the two support elements neighboring in the axial direction of the mantle are disposed out of phase with each other in the peripheral direction of the mantle. The exhaust-gas purifying apparatus shows not only an enhanced exhaust-gas purifying ability but also high misfire resistance.